

**Instructions for the Kentucky
SITE INVESTIGATION CHECKLIST
401 KAR 42:060
(DEP8049/01/06)**

GENERAL INSTRUCTIONS. All sections of this form shall be completed. If this form is not fully completed, additional requests for site investigation work and reimbursement will be delayed. This form shall accompany any document that includes the results of new field work completed during site investigation activities and shall reflect current information. All sections shall be updated each time field work is completed. The form must be typed or printed legibly in black or blue ink. Submit two separate copies, one original and one copy, to the UST Branch for each report requested. If you have any questions about any section of this form, please call the Underground Storage Tank Branch at (502) 564-5981 or (800) 928-7782.

I. GENERAL INFORMATION

Agency Interest Number: Type the Agency Interest number.

County: Type the county where this site is located.

Contact Information: Type the contact information for the tank owner and contractor/consultant for this site.

II. SITE INFORMATION

- a) Applicable Reg. for Cleanup Levels: Mark the applicable regulation that identifies the cleanup levels to be used for delineation and cleanup of contamination in soil and/or groundwater.
- b) Incident Numbers & Dates: List the applicable incident number(s) (or ERT numbers) and the corresponding date(s).
- c) Classification Guide: Add the date that the original Classification Guide was signed. The classification can change during site investigation. For example, when the original Classification Guide was prepared, groundwater might not have been encountered. If subsequent site investigation activities encounter groundwater, then submitting an amended Classification Guide will be necessary. The introduction portion of site investigation reports shall discuss any Classification Guide changes.
- d) Site Investigation Status: Complete each portion of this section.
- Vert./horiz. extent of soil contam. defined: Indicate if the vertical and horizontal extent of soil contamination has been defined.
- Soil contamination on-site: Indicate if soil contamination is present on-site.
- Soil contamination off-site: Indicate if soil contamination extends off-site.
- Off-site access permission obtained: Indicate if off-site access permission has been obtained as defined in Section 11 of the Site Investigation Outline. If Section 11 is not properly followed, additional requests for site investigation and reimbursement for site investigation work may be delayed.
- Extent of groundwater contam. defined: Indicate if the extent of groundwater contamination has been determined.
- Groundwater contamination on-site: Indicate if groundwater contamination is present on-site.
- Groundwater contamination off-site: Indicate if groundwater contamination extends off-site.
- Off-site access permission obtained: Indicate if off-site access permission has been obtained as defined in Section 11 of the Site Investigation Outline. If Section 11 is not properly followed, additional requests for site investigation and reimbursement for site investigation work may be delayed.
- e) Soil Cleanup Levels: Identify the applicable soil cleanup levels. Choose only one.
- f) Potential Receptors: Identify receptors potentially affected by the UST system release. More than one may be checked. site investigation reports shall indicate, if possible, if a potential receptor is located hydrogeologically up-gradient of the UST system.
- g) Groundwater Cleanup Levels: Identify the applicable groundwater cleanup levels. Choose only one.
- h) Constituents of Concern: Identify the constituents of concern for this site. More than one may be checked.
- i) Miscellaneous Items: Complete each portion of the Miscellaneous Items section.
- Buried utilities affected: Indicate if buried utility trenches have been affected. Identify the utilities affected.
- Site supplied by public water: Indicate public water is supplied to the site.
- All wastes properly handled/disposed: Indicate if all wastes have been properly handled and disposed.
- Other activities at the site: Indicate if other site investigation or cleanup activities are ongoing at the site (e.g., field work related to a different UST system release on-site). This may include activities overseen by another regulatory program (e.g., Superfund or Hazardous Waste Branches).

Nearby UST facilities:	Indicate if the site investigation report identifies nearby UST facilities, identify those by site name and agency interest number.
Interim corrective action and type:	Indicate if interim corrective action (ICA) has been implemented at any time and the type completed. The site investigation report shall summarize completed or ongoing IRA activities. (OE = over-excavation, DPE = dual-phase extraction.)
Flagged data/anomalous data:	Indicate if flagged or anomalous data are present in the current data set. Provide a brief discussion of these data in the site investigation report.
ASTs on site:	Indicate if above ground storage tanks are present on site.
Potentiometric flow maps submitted:	Potentiometric flow maps shall be submitted for every monitoring well gauging/sampling event conducted at this site. If groundwater assessment is not necessary at this time, "N/A" can be checked.
Active USTs on site:	Indicate if an active UST system is present on-site. Include the date and results of the last line/tank tightness test.
Fumes/vapor present:	Indicate if fumes/vapors currently are present in utilities or structures on-site or in nearby off-site utilities or structures.
Free-phased product present:	Indicate if free-phased product is present. If free-phased product has been encountered, the site investigation report narrative shall identify the locations encountered, when it was encountered, and an estimate of the quantity of the UST system release.
Abatement measures and method:	Indicate if abatement measures for fumes/vapors and/or free-phased product have been implemented. Identify the abatement measurements implemented. Refer to 401 KAR 42:060 for initial abatement information and to 401 KAR 42:250 for reimbursement information. Abatement activities shall be summarized in the site investigation report narrative (e.g., use of hand bailers, pumps, skimmers, etc.).
Depth to bedrock:	Type the depth to bedrock (in feet). A range of depths can be entered.
Depth to groundwater:	Type the depth to groundwater (in feet). A range of depths can be entered.

III. SITE INVESTIGATION REPORT REQUIREMENTS

For this section, check the type of site investigation report being submitted. The site investigation report shall include, at a minimum, the items listed under the corresponding report type.

Initial Site Investigation Report:	If an Initial Site Investigation Report is being submitted, check the box next to "Initial Site Investigation Report." At a minimum, all items listed under "Initial Site Investigation Report" shall be submitted.
Intermediate Site Investigation Report(s):	If an Intermediate Site Investigation Report is being submitted, check the box next to "Intermediate Site Investigation Report." At a minimum, all items listed under "Intermediate Site Investigation Report" shall be submitted. More than one Intermediate Site Investigation Report likely will be required to define the full extent of contamination in soil and/or groundwater. Intermediate Site Investigation reports will not be as large as an Initial Site Investigation Report or a Final Site Investigation Report.
Final Site Investigation Report:	If a Final Site Investigation Report is being submitted, check the box next to "Final Site Investigation Report." At a minimum, all items listed under "Final Site Investigation Report" shall be submitted.

IV. SITE INVESTIGATION CERTIFICATION

The Site Investigation Certification portion of this form shall be completed and signed by a Kentucky-registered PE or PG.

i) MISCELLANEOUS ITEMS (Section II continued)

- | | |
|---|---|
| <ul style="list-style-type: none"> ▪ Buried utilities affected: <input type="checkbox"/> Yes <input type="checkbox"/> No
 <input type="checkbox"/> Gas line <input type="checkbox"/> Water line <input type="checkbox"/> Other _____ ▪ Site supplied by public water: <input type="checkbox"/> Yes <input type="checkbox"/> No ▪ All wastes properly handled/disposed: <input type="checkbox"/> Yes <input type="checkbox"/> No ▪ Other Site investigation/cleanup activities ongoing at this site: <input type="checkbox"/> Yes <input type="checkbox"/> No ▪ Nearby UST facilities identified/reported: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A ▪ Interim corrective action completed: <input type="checkbox"/> Yes <input type="checkbox"/> No
 <input type="checkbox"/> OE <input type="checkbox"/> DPE <input type="checkbox"/> Other _____ ▪ ASTs at the site: <input type="checkbox"/> Yes <input type="checkbox"/> No ▪ Potentiometric flow maps per gauging event: <input type="checkbox"/> Yes <input type="checkbox"/> N/A | <ul style="list-style-type: none"> ▪ Flagged data/anomalous data discussed: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A ▪ Active USTs at the site: <input type="checkbox"/> Yes <input type="checkbox"/> No
 If active, date of last tank/line tightness test: _____
 Result: <input type="checkbox"/> pass <input type="checkbox"/> fail ▪ Fumes/vapor present: <input type="checkbox"/> Yes <input type="checkbox"/> No ▪ Free-phased product present: <input type="checkbox"/> Yes <input type="checkbox"/> No ▪ Abatement meas. implemented for fumes/vapor <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
 Abate. meas. implemented for free-phased prod.: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
 Abatement method(s): _____ ▪ Depth to bedrock (ft): _____ ▪ Depth to groundwater (ft): _____ |
|---|---|

III. SITE INVESTIGATION REPORT REQUIREMENTS

<input type="checkbox"/> INITIAL SITE INVESTIGATION REPORT	<input type="checkbox"/> INTERMEDIATE SITE INVESTIGATION REPORT(S)	<input type="checkbox"/> FINAL SITE INVESTIGATION REPORT
<input type="checkbox"/> Introduction <input type="checkbox"/> Narrative for Sections 1-12 <input type="checkbox"/> Amended classification guide (if necessary) <input type="checkbox"/> Analytical data/COC for most recent sampling event <input type="checkbox"/> Data tables for historical soil and groundwater results, gauging data, etc. <input type="checkbox"/> Maps as required in Section 5.0 <input type="checkbox"/> Soil boring logs and monitoring well forms <input type="checkbox"/> Photographs (if requested) <input type="checkbox"/> Recommendations/conclusions section <input type="checkbox"/> Checklist completed/signed	<input type="checkbox"/> Introduction <input type="checkbox"/> Amended classification guide (if necessary) <input type="checkbox"/> Analytical data/COC for most recent sampling event <input type="checkbox"/> Data tables for historical soil and groundwater results, gauging data, etc. <input type="checkbox"/> Maps as required in Section 5.0 <input type="checkbox"/> Soil boring logs and monitoring well forms <input type="checkbox"/> Cross sections (if requested) <input type="checkbox"/> Photographs (if requested) <input type="checkbox"/> Recommendations/conclusions section <input type="checkbox"/> Checklist completed/signed <input type="checkbox"/> Intermed. Site Investigation Rpt. #: _____	<input type="checkbox"/> Introduction <input type="checkbox"/> Updated narrative for Sections 1-12 <input type="checkbox"/> Amended classification guide (if necessary) <input type="checkbox"/> Analytical data/COC for most recent sampling event <input type="checkbox"/> Data tables for historical soil and groundwater results, gauging data, etc. <input type="checkbox"/> Additional environmental parameter results submitted and discussed <input type="checkbox"/> Maps as required in Section 5.0 <input type="checkbox"/> Soil boring logs and monitoring well forms <input type="checkbox"/> Cross sections <input type="checkbox"/> Photographs (if requested) <input type="checkbox"/> Recommendations/conclusions section <input type="checkbox"/> Checklist completed/signed

IV. SITE INVESTIGATION CERTIFICATION

Under the requirements of KRS Chapter 322 and 322A, this Site Investigation Report shall be completed and signed by a PE registered with the Kentucky Board of Registration for Professional Engineers and Land Surveyors or a PG registered with the Kentucky Board of Registration for Professional Geologists.

I, THE UNDERSIGNED, STATE, UNDER PENALTY OF LAW, THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS, AND THAT BASED ON MY INQUIRY OF THOSE INDIVIDUALS RESPONSIBLE FOR OBTAINING THE INFORMATION, I CERTIFY THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE.

Name and Title (Type or Print): _____

Signature/Date: _____

Registration Number, Date and Seal: _____



If you have questions on how to fill out this form or to request a review of your site records, contact the UST Branch at (502) 564-5981 / (800) 928-7782 or visit our website at <http://www.waste.ky.gov>.